```
                  Score =   113 bits (280), Expect = 9e-27
        Query:  2    VSLLVALVMISCH-IYSLFCDLPXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  60
        Sbjct:  5    SSFLVALVALGCNSVCSLGCDLPQTHGLLNRRALTLLGQMRRLPASSCQKDRNDFAFPQD  64

        Query:  61   XXXXXXXXXKAQVISALHKMHQQIFSLFLHKGLSDA-WNRAFLDKLQTGFHQQLEDLETCF  119
        Sbjct:  65   VFGGDQSHKAQALSVVHVTNQKIFHFFCTEASSSAAWNTTLLEEFCTGLDRQLTRLEACV  124

        Query:  120  GIEDGKQESALEIEGPT---LAIKRYFQGVHFFLKERKFRNCTWEVV---VMVKGFFLST  173
        Sbjct:  125  LQEVEEGEAPLTNEDIHPEDSILRNYFQRLSLYLQEKKYSPCAWEIVRAEIMRSLYYSST  184

        Query:  174  KLQ    176
        Sbjct:  185  ALQ    187 (SEQ ID NO:26)--
```

On page 12, replace the paragraph starting on line 15, with the following paragraph:

```
--gi|547724 INTERFERON ALPHA PRECURSOR (IFN-ALPHA) (SEQ ID NO:11) aa 5-187
gi|124431 INTERFERON ALPHA-1 PRECURSOR (SEQ ID NO:21) aa 5-182
gi|124502 INTERFERON OMEGA-2 PRECURSOR (INTERFERON ALPHA-II-2) (SEQ ID NO:13)
aa 5-182
gi|400061 INTERFERON OMEGA-1 PRECURSOR (INTERFERON ALPHA-II-1) (SEQ ID NO:14)
aa 5-182--
```

On page 13, replace the first alignment starting on line 5 with the following alignment:

```
--Length = 118
                  Score = 97.5 bits (239), Expect = 6e-22
        Query:  69   KAQVISALHKMHQQIFSLFLHKGLSDAWNRAFLDKLQTGFHQQLEDLETCFGIEDGKQES  128
        Sbjct:  16   KEDAALTIYEMLQNIFAIFRQDSSSTGWNETIVENLLANVYHQINHLKTVLEEKLEKEDF  75

        Query:  129  ALEIEGPTLAIKRYFQGVHFFLKERKFRNCTWEVV    163
        Sbjct:  76   TRGKLMSSLHLKRYYGRILHYLKAKEYSHCAWTIV    110 (SEQ ID NO:25) aa 4-98--
```

On page 13, replace the paragraph starting on line 20, with the following paragraph:

```
--gi|3318960|pdb|1AU1|A Chain A, Human Interferon-Beta Crystal Structure (SEQ ID NO:16) aa 37-146
gi|2624437|pdb|1RH2|A Chain A, Recombinant Human Interferon-Alpha 2b (SEQ ID NO:17) aa 35-143
gi|124432 INTERFERON ALPHA-1 PRECURSOR (SEQ ID NO:18) aa 58-167
gi|2147609 interferon-omega20 - rabbit (SEQ ID NO:19) aa 58-167--
```

Insert the enclosed sequence listing before the claims.

REMARKS

Applicants have amended the specification to recite SEQ ID NOs, and specific residues within SEQ ID NOs that are referred to in the specification.